

AMENDMENT

U. S. Application No.: 09/739,387

S, 12 to 22% Ni, 3.0 to 7.0% Mo, less than 7.0% Co, not more than 0.05% Ti, not less than 0.06 % and not more than 2.0% Al, less than 0.005% N (nitrogen), not more than 0.003% O (oxygen), and the balance substantially Fe, wherein said maraging steel contains each of the elements Si, Mn, Co, Mo, Ti and Al in an amount such that each of said elements is present and meets a total amount of $(3\text{Si} + 1.8\text{Mn} + \text{Co}/3 + \text{Mo} + 2.6\text{Ti} + 4\text{Al})$ in a range of 8.0 to 13.0%.

25. (new) A maraging steel having high fatigue strength, consisting essentially, by mass, of not more than 0.008% C, not more than 0.010% P, not more than 0.005% S, 12 to 22% Ni, 3.0 to 7.0% Mo, less than 7.0% Co, not more than 0.05% Ti, 0.57 to 2.0% Al, less than 0.005% N, not more than 0.003% O (oxygen), and the balance substantially Fe, a total amount of said elements Co, Mo, Ti and Al which total amount is defined by $(\text{Co}/3 + \text{Mo} + 2.6\text{Ti} + 4\text{Al})$ being in a range of 8.0 to 13.0%.

26. (new) A maraging steel according to claim 25, further containing not more than 4.0 mass % Cr.

27. (new) A maraging steel according to claim 26, further containing not more than 0.01 mass % B.

28. (new) A maraging steel according to claim 27, further containing at least one element selected from the group consisting of not more than 1.0 mass % Nb, not more than 2.0 mass % Ta, and not more than 2.0% W.

29. (new) A maraging steel according to claim 28, wherein the total amount of said at least one element is not more than 0.5 mass %.